

875—95.4(89) Temperature and pressure relief valves. Each water heater with storage capacity shall have at least one automatically resetting temperature and pressure relief valve bearing the ASME Code symbol “HV.” Water heaters with no storage capacity shall have at least one automatically resetting pressure relief device bearing the AMSE Code symbol “HV,” and a temperature control device recommended by the manufacturer.

95.4(1) *Materials.* All materials used in temperature and pressure relief valves shall be rated for temperatures and pressures at or greater than the maximum allowable working pressure of the water heater.

95.4(2) *Size.* The outer diameter of temperature and pressure relief valves shall not be smaller than $\frac{3}{4}$ inch. The inner diameter shall not be less than $\frac{1}{2}$ inch. The inlet opening shall have an inside diameter approximately equal to, or greater than, the seat diameter.

95.4(3) *Capacity.* The Btu-relieving capacity of the pressure-relieving device or devices on a water heater shall be equal to or greater than the maximum Btu input rate. The relieving capacity for electric water heaters shall be at least 3,500 Btu’s per hour per kilowatt input. The pressure setting shall be less than or equal to the maximum allowable working pressure of the water heater.

95.4(4) *Mounting.* Temperature and pressure relief valves shall be connected to the top of water heaters or directly to a tapped or flanged opening in the water heater. Temperature and pressure relief valves shall be installed with their spindles vertical or horizontal.